

ABSTRACT OF THE DISCLOSURE

The present invention provides a method of applying a drug-polymer coating on a stent. A stent framework is dipped into a first polymeric solution including a first polymer, a first therapeutic agent, and a first solvent. The polymeric solution is dried to form a thin drug-polymer layer on the stent framework. The stent framework with the thin drug-polymer layer, which is insoluble in the second polymeric solution, is dipped into a second polymeric solution including a second polymer and a second solvent and is dried to form a thin barrier layer on the thin drug-polymer layer. The steps of dipping the stent framework into the first polymeric solution, drying the first polymeric solution, dipping the stent framework into the second polymeric solution, and drying the second polymeric solution are repeated until a target drug-polymer coating thickness is disposed on the stent framework.